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Date: July 19, 2002

To:	Examiner Chester Barry	From:	Margaret A. Kivinski, Esq.
Company:	USPTO	Sender's Phone:	949.757.1999
Fax No.:	703.872.9077	RE:	Application Serial No. 09/632,530 Atty. Docket PA074-US
Recipient's Phone:		Pages to Follow:	5

● Comments:

Pleas find enclosed the ISR for the corresponding PCT case (PCT/US01/24308).

## CONFIDENTIALITY NOTE

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## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>PA074-PCT</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.	
International application No. <b>PCT/US 01/ 24308</b>	International filing date (day/month/year) <b>03/08/2001</b>	(Earliest) Priority Date (day/month/year) <b>04/08/2000</b>
Applicant <b>THEROX, INC.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

2  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 01/24308

## B x III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A method and apparatus creates gas-enriched fluid that is used to treat wastewater. In one embodiment, the wastewater is withdrawn from a supply of wastewater to be treated, and the wastewater is delivered in an atomized manner to a vessel pressurized with gas (60) to form gas-enriched wastewater. The gas-enriched wastewater is then delivered to the supply of wastewater to be treated.

in International Application No PCT/US 01/24308																			
<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 B01F3/04 C02F3/26 C02F3/02 C02F3/24 C02F9/00 //C02F103/06																			
According to International Patent Classification (IPC) or to both national classification and IPC																			
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C02F B01F																			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																			
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ																			
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>EP 0 328 035 A (GUTLING GMBH) 16 August 1989 (1989-08-16) figure 1</td> <td>1-3</td> </tr> <tr> <td>X</td> <td>US 3 761 065 A (RICH S ET AL) 25 September 1973 (1973-09-25) column 10, line 18 - line 60; figure 8</td> <td>1-3, 7, 8, 22, 32, 33</td> </tr> <tr> <td>X</td> <td>EP 0 238 773 A (DOMKE GMBH &amp; CO KG) 30 September 1987 (1987-09-30) column 3, line 1 - line 37; claims 2, 3, 7; figure 1</td> <td>1-3, 7, 8, 22, 32, 33</td> </tr> <tr> <td>X</td> <td>US 4 735 750 A (DAMANN FRANZ-JOSEF) 5 April 1988 (1988-04-05) column 3, line 35 - column 4, line 1; claims 3, 4; figure 1</td> <td>1-3, 7-9, 22</td> </tr> <tr> <td colspan="3" style="text-align: center;">-/-</td> </tr> </tbody> </table>		Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	EP 0 328 035 A (GUTLING GMBH) 16 August 1989 (1989-08-16) figure 1	1-3	X	US 3 761 065 A (RICH S ET AL) 25 September 1973 (1973-09-25) column 10, line 18 - line 60; figure 8	1-3, 7, 8, 22, 32, 33	X	EP 0 238 773 A (DOMKE GMBH & CO KG) 30 September 1987 (1987-09-30) column 3, line 1 - line 37; claims 2, 3, 7; figure 1	1-3, 7, 8, 22, 32, 33	X	US 4 735 750 A (DAMANN FRANZ-JOSEF) 5 April 1988 (1988-04-05) column 3, line 35 - column 4, line 1; claims 3, 4; figure 1	1-3, 7-9, 22	-/-		
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.																			
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *a* document member of the same patent family																			
Date of the actual completion of the international search	Date of mailing of the international search report																		
27 February 2002	06/03/2002																		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Gonzalez Arias, M																		

In tional Application No

PCT/US 01/24308

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 014, no. 370 (C-0747), 10 August 1990 (1990-08-10) & JP 02 135187 A (KUBOTA LTD), 24 May 1990 (1990-05-24) abstract	1-3,5
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## Information on patent family members

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PCT/US 01/24308

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